

O-0702
USE A SIGNAL MIRROR

CONDITIONS

You are in the field, alone or with your team, in daylight, and need to attract the attention of an overflying aircraft

OJECTIVES

With a mirror, correctly signal in the direction of an overflying aircraft.

TRAINING AND EVALUATION

Training Outline

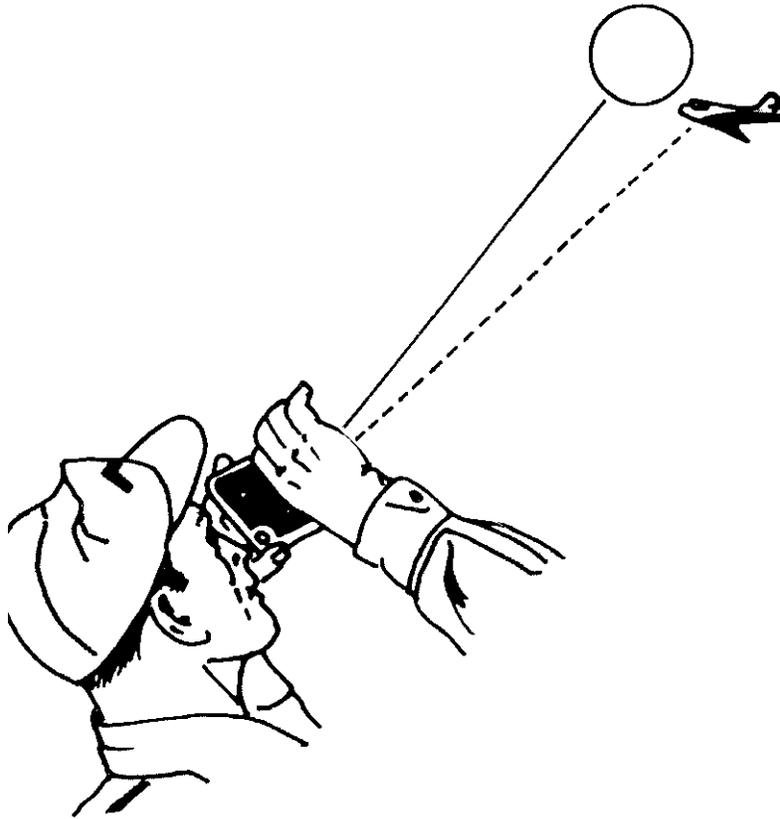
1. At times, you may have radio difficulties and need to attract the attention of an aircraft. Even if you have radio communication with the airplane, the pilot might be having difficulty in spotting you. In daylight, using a signal mirror is an excellent way to attract a pilot's attention, or let him know where you are. Mirror signals can be seen for over 70 miles under normal conditions. Over desert terrain or on the water they can be seen from over 100 miles. A signal mirror can be a high-tech glass mirror (military MK-3 signal mirror) or just a highly polished piece of metal. Mirror signals work well even on hazy or overcast days.

2. To use the MK-3 signal mirror:

- a. Outstretch one hand in the direction of the airplane, leaving the palm facing you.
- b. With the mirror, reflect sunlight into the palm your outstretched hand.
- c. Move your outstretched hand out of the way. Slowly bring the mirror up to eye-level and look through the sighting hole. You will see a bright spot of light. This is the aim indicator.
- d. Hold the mirror near your eye and slowly turn and manipulate it so that the bright spot is on the target aircraft. If having a tough time lining up on the airplane, the individual might try sighting the mirror between two fingers on the outstretched hand.

3. To use a polished metal surface:

- a. Outstretch one hand in the direction of the airplane, leaving the palm facing you.
- b. With the mirror, reflect sunlight into the palm your outstretched hand.
- c. Slowly bring the mirror to chest level while maintaining the reflected light on your hand
- d. Move your outstretched hand out of the way. Maneuver the mirror so that the light reflection is in the direction of the overhead aircraft. Move your hand in and out in front of the beam to create flashes or simply manipulate the mirror.



Using an MK-3 mirror

Additional Information

More detailed information on this topic is available in Chapter 10 of the Ground Team Member & Leader Reference Text.

Evaluation Preparation

Setup: Place someone on a distant point (preferably higher ground than where the student is standing). This person will simulate the airplane. Ensure he has communications with you. Ensure the student has signal mirror, preferably the one from that student's own field gear.

Brief Student: Tell the student to use the mirror to signal the person simulating the aircraft.

Evaluation

<u>Performance measures</u>	<u>Results</u>
1. The student produces a reflection on his hand	P F
2. The student successfully directs the flashes toward the target within 15 seconds	P F

Student must receive a pass on all performance measures to qualify in this task. If the individual fails any measure, show what was done wrong and how to do it correctly.